

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P. O. Box 272400
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 10003868-1

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Sean Xiao-An Zhang et al

Confirmation No.: 5646

Application No.: 09/898799

Examiner: Thompson, Tim

Filing Date: Jul 03, 2001

Group Art Unit: 2673

Title: Bistable Molecular Mechanical Devices Activated By An Electric Field For Electronic Ink
And Other Visual Display Applications

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Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Technology Center 2600

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- () under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- (X) under 37 CFR 1.97 (c) together with either a:
() Statement under 37 CFR 1.97(e), or
(X) a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- () under 37 CFR 1.97 (d) together with a:
() Statement under 37 CFR 1.97(e)(1) or (2), and
() a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

10/10/2003 MBIZUNES 00000097 082025 09898799

01 FC:1806 180.00 DA

Please charge to Deposit Account 08-2025 the sum of \$180.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

(X) Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

() A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

(X) I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450. Date of Deposit: 29 Sept. 2003
OR

Respectfully submitted,

Sean Xiao-An Zhang et al

By Susan E. Heminger

Susan E. Heminger

Attorney/Agent for Applicant(s)
Reg. No. 36,449

Date: 29 Sept. 2003

Typed Name: Ramona J. Zaya

Signature: Ramona J. Zaya

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STATEMENT UNDER 37 CFR 1.97(e)

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Sir:

The undersigned hereby certifies that either:

- (X) Each item of information contained in the Information Disclosure Statement was cited for the first time in a communication from a foreign patent office in a counterpart foreign application, not more than three months prior to the filing of the statement, or
- () No item of information contained in the Information Disclosure Statement
- was cited in a communication from a foreign patent office in a counterpart foreign application, and
- to the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56 (c) more than three months prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Sean Xiao-An Zhang et al

By

Susan E. Heminger

Attorney/Agent for Applicant(s)
Reg. No. 36,449

Date: 29 Sept. 2003

Telephone No.: (650) 236-2738

PATENT APPLICATION

Sheet 1 of 2



FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
10003868-1	09/898,799	5646
APPLICANT		
Sean Xiao-An Zhang et al		
FILING DATE	GROUP	
July 03, 2001	2673	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
1A	5,179,065	12 Jan 1993	Ito	
1B				
1C				RECEIVED
1D				OCT 20 2003
1E				Technology Center 29
1F				
1G				
1H				
1I				
1J				
1K				

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
1L	WO0288837	7 Nov 2002	Hewlett Packard Co		
1M					
1N					
1O					
1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

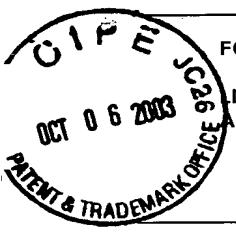
1Q	Suzuki et al: "A new type of tricolor electrochromic system based on the dynamic redox properties of hexaarylethane derivatives" Chemical Communications vol. 20 - 1998 pages 2193-2194 XP-002244733
1R	Just E M et al: "Picosecond Molecular Switch based on the Influence of Photogenerated electric fields on optical changes transfer transistions" Superlattices and Microstructures Academic Press, London, GB vol. 28 no.4-2000 pages 317-328 XP-001145935
1S	Balzani et al: "Molecular Machines" Accounts of Chemical Research, American Chemical Society, Washington, US vol. 3, no. 7, 1998, pages 405-414 XP00826304

EXAMINER

DATE CONSIDERED

PATENT APPLICATION

Sheet 2 of 2



FORM PTO-1449

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2A				
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2L					
2M					
2N					
2O					
2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2Q	Kolodner et al: "Electric-field-induced Schiff-base deprotonation in D85N mutant bacteriorhodopsin" Proceedings of the National Academy of Science of USA. National Academy of Sciences in Washington, US vol. 94, October 1996 pages 11618-11621 XP000980079
2R	Sinha et al: " Ground-and excited-state dipole moments of some nitroaromatics: Evidence of extensive charge transfer in twisted nitrobenzene system" Journal of Chemical Physics, NY, US vol 93, no. 10, 15 Nov. 1990 pages 7085-9606 XP008006682
2S	

EXAMINER

DATE CONSIDERED